

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference EBC97-06A2	ence	FOR FURTHER ACTION		f Transmittal of International Search Report 20) as well as, where applicable, item 5 below.
International application No.		International filing date (da	y/month/year)	(Earliest) Priority Date (day/month/year)
PCT/US 98/06684		03/04/19	98	07/04/1997
pplicant			 	
NERGY BIOSYSTEMS	CORPORA	ATION et al.	No 1881 - 1881 - 1881 - 1881 - 1881 - 1881 - 1881 - 1881 - 1881 - 1881 - 1881 - 1881 - 1881 - 1881 - 1881 -	
This International Search Reaccording to Article 18. A cop	port has bee	en prepared by this Internation ansmitted to the International	nal Searching Auth Bureau.	ority and is transmitted to the applicant
This International Search Re		s of a total of3 by of each prior art document o	sheets. cited in this report.	
Certain claims were	re found ur	nsearchable(see Box I).		•
2. Unity of invention	is lacking(see Box II).		
		ontains disclosure of a nucleo d out on the basis of the seque		acid sequence listing and the
	X file	d with the international applica	ation.	
	furr	nished by the applicant separa	ately from the inter	national application,
				e effect that it did not include international application as filed.
	Tra	inscribed by this Authority		•
4. With regard to the title,	χ the	text is approved as submitted	by the applicant	
	=	text has been established by	this Authority to re	ad as follows:
5. With regard to the abstra	ŕ .			
•		text is approved as submitted		O(h) by this Authority on it among in
	Box		one month fromt	3.2(b), by this Authority as it appears in he date of mailing of this International
6. The figure of the drawing	js to be pub	lished with the abstract is:		
6. The figure of the drawing Figure No		lished with the abstract is: suggested by the applicant.		X None of the figures.
	as bed			<u></u>

A. CLASSIFICATION OF SUBJECT MATTER IPC 6 C12N15/52 C12N9/02 C10G32/00

C12N1/21

C12P11/00

C12S1/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 6 C12N C12P C12S C10G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 94 01563 A (ENERGY BIOSYSTEMS CORP; RAMBOSEK JOHN (US); PIDDINGTON CHRIS S (US) 20 January 1994 cited in the application see abstract see Seq. ID 1-5	9,12,15, 18-23
4	EP 0 218 734 A (ATLANTIC RES CORP) 22 April 1987 see the whole document/	1-75

X Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
 Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed 	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family
Date of the actual completion of theinternational search 31 July 1998	Date of mailing of the international search report 13/08/1998
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Galli, I

C.(Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
Category °	Citation of document, with indication,where appropriate, of the relevant passages	Relevant to claim No.
4	GRAY K.A. ET AL.: "Molecular mechanisms of biocatalytic desulfurization of fossil fuels." NATURE BIOTECHNOLOGY, vol. 14, 14 December 1996, pages 1705-1709, XP002073201 cited in the application see the whole document	1-75
4	CONSTANTI M. ET AL.: "Desulphurization of dibenzothiopene by bacteria" WORLD J. OF MICROBIOLOGY & BIOTECHNOLOGY, vol. 10, no. 5, 1994, pages 510-516, XP002072523 see the whole document	1-75
A	KLUBEK B. ET AL.: "Characterization of soil bacteria that desulfurize organic sulfur compounds. 1. Classification and growth studies." MICROBIOS, vol. 88, no. 357, 1996, pages 223-236, XP002072524 see abstract	1-75

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